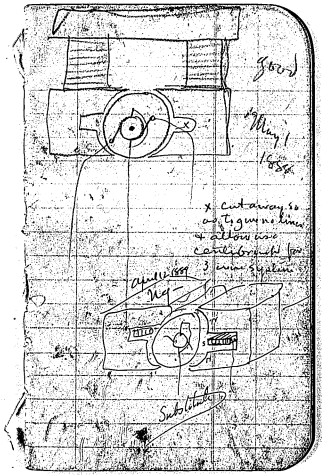
Notebook, PN-88-05-01

This pocket notebook was begun by Edison on May 1, 1888, but most of the entries date from the period February-April 1889. The entry for May 1 is a drawing of a generator. On the same page is an alternative design, dated April 12, 1889. The remaining entries concern chemical experiments. The cover of the book is missing. The pages are unnumbered. Approximately 25 pages have been used.


Good
19 May 1
1884
x Cut away so
as to give me limit
& allow use
of calibrated for
3 wire system
Not
Substitute

Fred in Duplicating Room
005
Asphaltene from Syrian
" " Prairie Cubian
Stearate hence,
" Lead that wont
melt,
Linseed asphalt.
Glycerine asphalt,
also the Syrian & Hard
Cubian separated by
Salpeter by Wilmowski
get bottle asphaltene
from Hackman.

Acton folio Feby 23 89
Tag

Chloride sulphur in
Kerosene etc

Chloric or Chlorony
or perchloric acid

Nitromuriatic

Fuming Nitric

Nitrochromic

Flow in Water + pass chlorine
while water 150 Feby

Acton Chlorinated Balata
with Pentachl anline

Take a lot of Crystals or pieces of Hydrocarbons & rub on them with Chl Sul in Kerosene - also by Pent chl ant in Chl Ethyl. see if become infusible those that do squirt -

Feby 23 1929 745

Try Everything we have in Room 6, 1 Clear away phone -

Fresh Chl Lime Oyster 005 fls in & pour Sul acid over -

Feby 23 1889 Tues

Suspend film in jar & pass chlorine or fill jar with chlorine & put in film & expose to light —

Dissolve Sulphur in Bi Sul Carbon also Syrup, Then Evaporate & squirt, + heat to Sulphuric —
also Same with Iodine, Cold —

Act on Syrup film by Hydrofluoric acid —

Febry 23 1889 Fri

act on Sycamore by
~~Hot fused~~ Caustic
Potash
also by Nitrate Silver

Squirt glue film -
act on by Nitrate
Silver, Nitric acid,
& oxalic & Chloric acids

Squirt

Feby 23 1889
JKR

Make frame use
single fibres Silk
arrange to dip in
Solution Hard Rubber
in Chl Sulphur —
dip & dry several times
until proper thickness
thoroughly dry after
each dipping —

1st Sup Watts "Bitumens"
p 349 – ~~Wilmington~~ Wunz make

Wunz make 1 lb chlorinated
Hard Cubian in Chloroform
~~Payne on Cutaway – Celluloid – H~~
~~Linnes CO "Ed" –~~
Fessenden make 1/2 to 1 lb
Hard Cubian in Chl Sulphur

For Force boil 5 @ 7
lbs Hard Cubian until
its · Asphaltene.

Notes from 1st Sup W Dco
Acenaphtene, p 3. fils
Cereous acetate – p 9 nivs
Acelo-cellulose p 24
Di-amylene Disulpho Dichloride
p – p 122

Anisharmin, 171

2nd Sup

Allanic acid p 44.
decomp without fusion

powerful oxidizer for asphalts. Nitric acid to which potassium Chlorate is added.

p 69

Anthrapurpurin p 84

Nitro-anthraquinone 91

Dinitro-benzoic acid - 166

Hydrobenzoin - action Nitric acid

separate & treat,

Biuret - Melts & decomposes suddenly. p 193 4

Bromo-Camphoric anhydride - bleachers at 100 cent, p 236

Pentacarbon sulphide p 265 -

Coerulignone - good - 376
English get =

Gallein - 537.

Hydracrylamic acid 722
decomp without melting

Chloromaconic acid
Decomposition melting 827

Dioxynaphthaquinone p 876-9
also Trioxynaphthaquinone p 877

Opianic acid 875

Dichlorazophenol - good
p 903 - get nitrite scheme
Diamidonitrophenol 911
Conc sol Gallica in Dough
squirt + act on fil by acid
or alkali to make ulmic

3rd Sup pt 15
acton Bromum or Acetylthen 11
Nitroamarine Drop w Melli
page 70

Anthracene treated some days
with $SbCl_5$ - Carbonized - squirt
anthracene folio &
same effect Iodine. p 93

a-anthramol
dicomp w fus'n 97
Tribromobaphenlone
Drop w m - 141
Dinitrobenzine. Make filter
then act on by acids 75

Melamedobenzenesulphonic Acid
~~Melli~~ Drop w F 229
amide - p 241 Dec w m

Penta-benzine Sulphonica
Dec w m - 244
Nitro-dibromobenzine Sulphonic Acid
Drop w m 245

Condensation products Quelle a
Dze WM 298 Top p 90

Vol 1 Watts

Anchusin Dzep WM
p 290

Nitroanisic acid 302
Hydride anisyl
Annatto. secretin Nit acid 308
also see about fils & coloring
afterwards -

Cetraric acid / 4th pp 839

3rd Sup pt 1st —

get some fil from Buck
Bark that are not
fibrous

Hexachloroethane 1031

Diazoxybenzoic acid
action from fulminate of
Dinitrobenzoic + action by
Sodium amalgam or other
Hydrogenizers p 1044

Phenyl-hydrazine phyl Thio
Carbamate 1055

Nitro
Annatan 1267

Amidoresorcylic acid
Dzep WM 1426

Nitro-orcinol Dze WM
Good - 1438

Phenylene (meta) oxamic acid
Topp pp - 1498

Oxycoumarin.
Decomp WM - 1469

Oxyuvitic acid
Decp WM - 1477

Triamidophenol
Decomp W.F. bottom 1523 838

Thioterephthalic acid
Decomp W.F. 1617

Quinol-dicarboxylic
acid - 1740 DWM malty

(Quinone, put in fils
Tactarbychem -
also Hydroquinonitic a 1748

Hydrocyanorosanin
DWM. 1762

Tetrachloralizarin
DWM 1910

Tetralinebenthene
good — ? ? 1917

Orthomonolylarsenic
acid DWM 2031

April 3 1889

Black Compound insoluble
Action Sodium on alcohol
dissolved in Chloroform
See Methylulmic acid
~~Gr~~

Conc Sul acid Carbon
sugars but acts on
Dextrose to form excellent
black Sulphur acid

Chlorine acts on
Cane sugar to form
black Compounds

See Carbon 3rd sup
watts - Carbon Hydrate
from which Coal is now
Nitric makes Brown stuff
Sal al $MH + H_2O$ - also
a form of Brown stuff by
action acid oxidizer on
graphite, Ticonderoga less
soluble than others
Various forms of Carbon
when oxidized in wet
way yield Oxides of
Carbon black solids
Try Anthracite procedure
Heat Nitric See
Carbon oxides pp 21
3rd Sup Try oxidizing
lampblack with
Nitric acid hot.

Phosphorous dissolved in Bisulphide Carbon acts as reducing agent.

S
| – Carbon Sesquisulphide C_2S_3 decomposes into its Elements at 200. C.
S S

Hydrogen Carbosesquisulphide Red Solid sub melt at 100 C + decomposes a little higher.

Watts Dict Vol VI.
p 410 –
See Very important reaction about C_4S under Hydrogen Carbosesquisulphide vol VI

Treat Carbonic Sul acid also phosphoric anhydride also Chloride Zinc to dehydrate of H_2O is there.

Treat with pentachloride phosphorous,

Caustic hot with Potash to take out any NO.

Boil Linseed oil to Rubber like & black then use Nitric acid –

Action Syrup by Sul acid –

Oxidize Syrian
by peroxide lead
Nal
do - permanganate
Soda —
do - peroxide Manganese
do Oxide Copper
do " Iron
" " Mercury
" " Chromic anhydride
also in Solution.
perhaps resistings
Compound be cut from
NO_3 dissolve out
Inorganic Materials
also Chlorate + HCl
I think it is —

also Iodine —
also Sulphur
also Sulphuric Ether
Nitric acid —

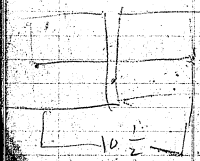
I think Sulphur dissolved in Benzine Imp or Petroleum will reduce the O in Carbonate.
Watts Dic Says Primitive is Soluable in above solvents hence by heat it could be made to reduce O to SO_2
then whole washed out by more Solvent + gasoline —

Dissolve Sulphur in Impaline or Petroleum also Syrian + heat to Dehydrogenize —

till exhausted with
amorphous sulphur from
precipitate a Hyposulphite
by HCl - Watts, on Sulphur
Reg Vol

Round 7/16 —

Cut to 10 1/2 inch



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